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(21) International Application Number: PCT/US99/21683 (22) International Filing Date: 17 September 1999 (17.09.1999) (30) Priority Data: 60/100,730 17 September 1998 (17.09.1998) US (60) Parent Application or Grant CLINICAL MICRO SENSORS, INC. [/]; (). O'CONNOR, Stephen, D. [/]; (). TRECARTIN, Richard, F. ; ().		Published
(54) Title: SIGNAL DETECTION TECHNIQUES FOR THE DETECTION OF ANALYTES (54) Titre: TECHNIQUES DE DETECTION DE SIGNAUX POUR LA DETECTION D'ANALYTES (57) Abstract <p>The invention relates to the use of signal processing methods in order to achieve higher signal to noise ratios, to increase the detection limits of target analytes. These techniques include the monitoring of the output signal at higher harmonic frequencies.</p> (57) Abrégé <p>Cette invention se rapporte à l'utilisation de procédés de traitement de signaux visant à produire des rapports signal/bruit supérieurs afin d'accroître les limites de détection d'analytes cibles. Ces techniques utilisent la surveillance du signal de sortie à des fréquences harmoniques plus élevées.</p>		

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(21) International Application Number: PCT/US99/21683 (22) International Filing Date: 17 September 1999 (17.09.99) (30) Priority Data: 60/100,730 17 September 1998 (17.09.98) US (71) Applicant: CLINICAL MICRO SENSORS, INC. [US/US]; 101 Waverly Drive, Pasadena, CA 91105 (US). (72) Inventor: O'CONNOR, Stephen, D.; 4222 S. El Molino, #16, Pasadena, CA 91101 (US). (74) Agents: TRECARTIN, Richard, F. et al.; Flehr Hobbach Test Albritton & Herbert LLP, 4 Embarcadero Center, Suite 3400, San Francisco, CA 94111-4187 (US).		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i> (88) Date of publication of the international search report: 8 June 2000 (08.06.00)
(54) Title: SIGNAL DETECTION TECHNIQUES FOR THE DETECTION OF ANALYTES (57) Abstract The invention relates to the use of signal processing methods in order to achieve higher signal to noise ratios, to increase the detection limits of target analytes. These techniques include the monitoring of the output signal at higher harmonic frequencies.		

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INTERNATIONAL SEARCH REPORT

International Application No.
PCT/US 99/21683

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G01N27/49 C12Q1/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C12Q G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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Y	WO 98 35232 A (NOVALON PHARMACEUTICAL CORP ; UNIV NORTH CAROLINA (US); FOWLKES DAN) 13 August 1998 (1998-08-13) abstract	1, 10
A	D. E. GLOVER: "alternating current polarography in the harmonic multiplex mode" ANALYTICAL CHEMISTRY, vol. 45, no. 11, 1973, pages 1869-1877, XP002133486 abstract	2, 3

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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

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International Application No.

PCT/US 99/21683

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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